

Executive Summary Report

SMOG CHECK Statewide

Second Half 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	4,536,222	575,567	12.69%
Total	5,239,432	729,035	13.91%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	3,890,782	85.77%	645,440	14.23%
Total	4,412,215	84.21%	827,217	15.79%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	2,363,213	85.89%	388,287	14.11%
Total	2,694,491	84.97%	476,458	15.03%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	88,591	1.95%
All Emissions	291,408	6.42%
All Visual	66,457	1.47%
All Functional	190,427	4.20%
OBDII	199,834	4.41%
Overall	575,567	12.69%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	3,637,707	466,553	12.83%	70,767	1.95%
Partially Enhanced	219,221	32,237	14.71%	4,838	2.21%
Basic	412,477	49,202	11.93%	8,215	1.99%
Change of Ownership	29,118	4,461	15.32%	1,195	4.10%
No Program	16	1	6.25%	0	0.00%
Unknown Program	237,683	23,113	9.72%	3,576	1.50%
Total Program Area	4,536,222	575,567	12.69%	88,591	1.95%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	2,751,500	379,407	13.79%	61,887	2.25%
Regular	1,368,537	130,805	9.56%	16,719	1.22%
Basic Area Dealer	23,926	1,266	5.29%	139	0.58%
Gold Shield in Enhanced Area	319,561	52,241	16.35%	7,480	2.34%
Gold Shield in Basic Area	32,929	5,719	17.37%	1,089	3.31%
Gold Shield in COO Area	22,822	3,083	13.51%	819	3.59%
Business Fleet	75	2	2.67%	0	0.00%
Permanent Fleet Registered	638	58	9.09%	6	0.94%
Referee	3,705	1,889	50.99%	367	9.91%
Government Fleet	12,522	1,095	8.74%	85	0.68%
Unknown Privilege	7	2	28.57%	0	0.00%
Total	4,536,222	575,567	12.69%	88,591	1.95%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	1,402,297	1,252,991
Directed Vehicles	1,349,203	1,110,222
Total	2,751,500	2,363,213

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	273,723	232,212
Directed Vehicles	101,589	77,047
Total	375,312	309,259

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-0	2	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1965	6	5	83.33%	66.67%	66.67%	0.00%	0.00%	0.00%
MY-1966	4	1	25.00%	25.00%	0.00%	0.00%	0.00%	0.00%
MY-1968	2	1	50.00%	0.00%	0.00%	50.00%	0.00%	0.00%
MY-1969	1	1	100.00%	0.00%	0.00%	100.00%	100.00%	0.00%
MY-1970	2	2	100.00%	100.00%	50.00%	50.00%	50.00%	0.00%
MY-1971	2	1	50.00%	50.00%	0.00%	50.00%	0.00%	0.00%
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	3	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	18	3	16.67%	11.11%	0.00%	11.11%	11.11%	0.00%
MY-1975	47	19	40.43%	29.79%	14.89%	23.40%	14.89%	0.00%
MY-1976	6,935	2,053	29.60%	19.81%	9.63%	17.64%	8.23%	0.00%
MY-1977	10,057	3,032	30.15%	18.21%	8.60%	20.00%	8.66%	0.00%
MY-1978	11,217	3,354	29.90%	18.95%	9.40%	18.95%	8.55%	0.00%
MY-1979	12,936	4,227	32.68%	21.26%	10.35%	21.03%	8.70%	0.00%
MY-1980	7,994	2,315	28.96%	20.39%	10.90%	17.49%	8.12%	0.00%
MY-1981	9,321	2,915	31.27%	23.40%	11.42%	17.55%	8.60%	0.00%
MY-1982	10,935	3,293	30.11%	23.19%	11.09%	17.30%	7.99%	0.00%
MY-1983	14,660	4,414	30.11%	22.99%	10.74%	16.21%	7.73%	0.00%
MY-1984	26,926	8,369	31.08%	24.00%	12.20%	17.14%	7.39%	0.00%
MY-1985	36,830	10,915	29.64%	22.49%	10.54%	16.63%	6.56%	0.00%
MY-1986	54,487	15,063	27.65%	20.13%	9.26%	15.92%	5.52%	0.00%
MY-1987	64,293	18,355	28.55%	21.73%	8.71%	15.26%	5.17%	0.00%
MY-1988	76,200	19,855	26.06%	19.29%	7.52%	14.33%	4.31%	0.00%
MY-1989	103,918	24,385	23.47%	16.51%	6.02%	13.27%	3.77%	0.00%
MY-1990	120,945	27,198	22.49%	16.09%	5.57%	11.99%	3.09%	0.00%
MY-1991	145,572	30,102	20.68%	14.83%	4.91%	10.87%	2.50%	0.00%
MY-1992	140,613	27,307	19.42%	13.76%	4.44%	9.94%	2.41%	0.00%
MY-1993	169,546	36,814	21.71%	16.12%	3.91%	10.22%	2.38%	0.00%
MY-1994	211,877	38,670	18.25%	12.14%	2.75%	9.19%	2.13%	0.00%
MY-1995	213,492	35,870	16.80%	11.21%	2.49%	8.23%	2.02%	0.00%
MY-1996	269,254	42,898	15.93%	6.46%	1.01%	1.56%	1.16%	10.90%
MY-1997	238,853	35,974	15.06%	5.65%	1.04%	1.53%	1.11%	10.60%
MY-1998	387,973	40,385	10.41%	3.21%	0.56%	0.84%	0.74%	7.67%
MY-1999	269,989	25,907	9.60%	2.30%	0.46%	0.73%	0.69%	7.61%
MY-2000	622,944	45,495	7.30%	1.28%	0.29%	0.60%	0.48%	6.01%
MY-2001	232,921	17,671	7.59%	1.00%	0.23%	0.60%	0.48%	6.57%
MY-2002	702,491	36,963	5.26%	0.53%	0.14%	0.46%	0.36%	4.57%
MY-2003	142,926	5,163	3.61%	0.42%	0.11%	0.28%	0.24%	3.04%
MY-2004	90,540	3,173	3.50%	0.28%	0.08%	0.28%	0.18%	3.02%
MY-2005	46,365	1,571	3.39%	0.26%	0.07%	0.23%	0.20%	2.92%
MY-2006	32,306	895	2.77%	0.24%	0.06%	0.23%	0.21%	2.31%
MY-2007	28,717	587	2.04%	0.10%	0.02%	0.14%	0.12%	1.75%
MY-2008	20,277	323	1.59%	0.11%	0.07%	0.14%	0.11%	1.30%
MY-2009	1,824	23	1.26%	0.00%	0.00%	0.00%	0.05%	1.21%
All Model Years	4,536,222	575,567	12.69%	6.42%	1.95%	4.20%	1.47%	4.41%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	2,824
Certificate of Non Compliance	5
Parts Cost	417
Hardship Extensions	1,008
Exempt Vehicle	112
Exempted by Directive	576
Parts Exemption	23
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	4,965

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,059
Stations Locked-Out at Least Once	689
Stations Conducted at Least One Test	7,702

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	11,154	5,724
EA	Gas Endorsement	11	0
EB	Both Endorsement	61	0
EB	Gas Endorsement	558	0
EU	Gas Endorsement	1	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	2,401,623	49.48	281,112	50.38	2,682,735	49.57
Test and Repair	881,049	47.32	457,713	47.16	1,338,762	47.27
Test and Repair Dealer	63	60.70	23,664	51.64	23,727	51.66
Referee	1,818	30.00	616	30.00	2,434	30.00
Gold Shield in Enhanced Area	250,995	49.16	64,332	46.20	315,327	48.55
Gold Shield in Basic Area	0	0.00	32,519	37.32	32,519	37.32
Gold Shield in COO Area	223	57.63	22,336	52.40	22,559	52.45

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	40,481	22.04	135,767	215.85
	\$51-150	33,542	101.09		
	\$151-250	22,017	199.62		
	\$251-450	23,344	336.64		
	Over \$450	16,383	779.41		
CAP Repairs	\$0-50	723	22.78	20,277	375.63
	\$51-150	1,458	104.74		
	\$151-250	2,525	203.64		
	\$251-450	7,143	354.32		
	Over \$450	8,428	522.34		
Total Repairs	\$0-50	35,456	22.22	140,691	262.43
	\$51-150	28,253	101.24		
	\$151-250	22,389	200.60		
	\$251-450	28,533	341.68		
	Over \$450	26,060	730.38		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	18,815	375.61

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	52	18	3	0	1	12	10	1
Acceleration Simulation Mode (ASM)	Basic	Referee	2	6	2	1	1	2	4	3

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	336	52	5	3	20	26	10	6
Acceleration Simulation Mode (ASM)	Basic	Test Only	313	59	6	5	21	28	18	5
Acceleration Simulation Mode (ASM)	Change of Ownership	Gold Shield in Enhanced Area	10	1	0	1	0	1	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	1	2	1	0	0	2	1	1
Acceleration Simulation Mode (ASM)	Change of Ownership	Test and Repair	29	6	0	0	3	2	1	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Test Only	43	5	1	0	0	4	3	0
Acceleration Simulation Mode (ASM)	Enhanced	Business-Fleet	63	1	0	0	0	1	0	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in COO Area	124	21	2	0	13	9	6	0
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	182,241	38,376	5,306	1,899	13,134	19,730	12,549	4,734
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	495	19	4	234	184	102	11
Acceleration Simulation Mode (ASM)	Enhanced	Permanent Fleet Registered	164	28	1	0	27	1	2	0
Acceleration Simulation Mode (ASM)	Enhanced	Referee	1,109	1,247	226	453	304	621	381	620
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	627,111	62,475	6,562	3,085	31,928	24,561	15,890	5,994
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair Dealer	17	3	0	1	1	2	0	1
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	1,978,386	335,463	54,666	17,389	101,602	191,233	113,903	38,543
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	9	3	1	0	2	1	2	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	15,879	3,836	584	194	1,239	2,031	1,336	489
Acceleration Simulation Mode (ASM)	Partial	Government Fleet	0	16	1	0	9	3	4	0
Acceleration Simulation Mode (ASM)	Partial	Referee	38	104	24	45	15	59	49	69
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	93,599	17,048	2,411	827	4,878	9,049	6,289	1,924

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Partial	Test Only	52,655	9,377	1,486	524	2,743	5,199	3,102	1,079
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	9,159	1,570	227	122	650	745	434	218
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	356	24	1	104	233	35	2
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	151	103	18	39	17	55	39	56
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	64,464	6,600	864	374	2,987	3,084	1,759	783
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	68,163	9,271	1,569	610	3,709	5,037	2,508	1,201
Acceleration Simulation Mode (ASM)	Unknown Program	Unknown Privilege	4	2	0	0	0	1	1	0
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	23,574	5,235	1,009	436	1,481	2,000	2,340	882
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	1,862	221	49	12	68	99	88	28
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	24,042	4,539	698	306	1,388	1,492	2,049	876
Two Speed Idle (TSI)	Basic	Government Fleet	0	54	11	1	20	17	17	2
Two Speed Idle (TSI)	Basic	Referee	138	211	46	94	37	72	81	135
Two Speed Idle (TSI)	Basic	Test and Repair	246,194	32,183	5,166	1,696	10,333	11,038	14,243	3,778
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	17,347	1,079	126	51	385	310	428	148
Two Speed Idle (TSI)	Basic	Test Only	38,396	5,545	1,094	299	1,944	2,284	1,967	633
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	231	48	13	5	11	22	23	9
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	9,429	1,990	564	99	419	1,059	849	229
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	1,099	287	89	25	62	151	144	65
Two Speed Idle (TSI)	Change of Ownership	Referee	17	26	6	12	7	10	13	15
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	8,859	1,282	307	91	374	549	580	213
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	174	15	2	0	8	5	4	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	4,284	798	212	68	197	371	310	120
Two Speed Idle (TSI)	Enhanced	Business-Fleet	3	1	0	0	0	1	0	0
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	1,607	162	16	5	106	33	33	12
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	2,473	231	32	9	128	59	61	18
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	25,210	2,960	462	150	1,442	868	941	346

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	115	21	0	53	39	22	2
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	266	29	5	0	6	15	10	6
Two Speed Idle (TSI)	Enhanced	Referee	207	134	16	68	56	28	24	82
Two Speed Idle (TSI)	Enhanced	Test and Repair	113,013	7,443	873	353	4,446	1,696	1,874	695
Two Speed Idle (TSI)	Enhanced	Test and Repair Dealer	1,920	87	4	4	62	9	13	6
Two Speed Idle (TSI)	Enhanced	Test Only	198,185	17,282	2,556	735	9,778	5,036	3,713	1,497
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	199	20	0	1	8	6	5	5
Two Speed Idle (TSI)	Partial	Gold Shield in COO Area	249	18	3	1	6	5	8	3
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	1,790	248	45	13	105	82	86	30
Two Speed Idle (TSI)	Partial	Test and Repair	11,046	1,065	176	67	459	341	353	126
Two Speed Idle (TSI)	Partial	Test and Repair Dealer	240	12	0	0	6	2	4	1
Two Speed Idle (TSI)	Partial	Test Only	5,395	480	107	34	205	185	136	68
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	1,291	254	51	31	95	90	99	50
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	5,074	599	168	39	209	271	234	96
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	3,648	406	66	25	190	128	134	54
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	57	9	0	29	16	19	0
Two Speed Idle (TSI)	Unknown Program	Referee	124	50	28	7	13	31	14	21
Two Speed Idle (TSI)	Unknown Program	Test and Repair	29,472	2,651	355	179	1,360	718	828	332
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	2,070	67	7	2	45	13	14	5
Two Speed Idle (TSI)	Unknown Program	Test Only	17,386	1,126	190	70	645	340	223	122
UnKnown TestType	Change of Ownership	Referee	3	1	0	0	0	1	0	1